

## LCFS Updates & Non-Regulatory Changes

Industrial Strategies Division  
Transportation Fuels Branch

June 2, 2016  
Sacramento, CA

California Environmental Protection Agency  
 **Air Resources Board**

### Overview – LCFS Updates

- Pathway Certification Updates
  - BD/RD Application Processing Status
- Proposed Concept: Unique Identifiers for LCFS Credits

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### Pathway Certification Updates

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## Anticipated Pathway Release Dates

Fuels	Anticipated Release Date	CI Effective Date
Ethanol	March 31, 2016	1 <sup>st</sup> quarter 2016
<b>BD/RD</b>	<b>June 30, 2016</b>	<b>2<sup>nd</sup> quarter 2016</b>
CNG/LNG/L-CNG	September 30, 2016	3 <sup>rd</sup> quarter 2016
Others	September 30, 2016	3 <sup>rd</sup> quarter 2016
All Provisional Fuel Pathways	ASAP (and not limited by schedule above)	Quarter certified

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## Certification Status of BD/RD Pathways

Status	Re-cert		New		Total
	Tier 1	Tier 2	Tier 1	Tier 2	
Completed	21	0	14	0	35
Rejected/Withdrawn/Consolidated	17	0	38	0	55
In-Progress	8	3	12	7	30
<b>TOTAL:</b>	<b>46</b>	<b>3</b>	<b>64</b>	<b>7</b>	<b>120</b>

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## Reasons for Rejection

- Method 1 not eligible for re-certification
- Applications without adequate plant energy use data
- Applications that did not provide supporting invoices for feedstock sourcing

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## Pathway Certification Process

- All BD/RD re-certifications will be made available to applicants for review
- Applicants will have seven business days to review and either accept or reject CI
- If applicants accept CI, requires them to upload the attestation letter & company letter to the AFP system and send the original via mail  
<http://www.arb.ca.gov/fuels/lcfs/lcfs.htm>
- If applicants reject CI, may reapply
- All pathway CIs available from one website:  
<http://www.arb.ca.gov/fuels/lcfs/fuelpathways/pathwaytable.htm>

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## New Guidance Document

- Draft guidance document posted for modeling the carbon intensity (CI) of sugarcane-based ethanol pathways using the CA-GREET 2.0 Tier 1 Calculator  
[http://www.arb.ca.gov/fuels/lcfs/lcfs\\_meetings/lcfs\\_meetings.htm](http://www.arb.ca.gov/fuels/lcfs/lcfs_meetings/lcfs_meetings.htm)

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## Questions?

Feedback related to pathway certifications and draft guidance should be sent to [LCFSWorkshop@arb.ca.gov](mailto:LCFSWorkshop@arb.ca.gov) by June 16, 2016

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## Proposed Concept Unique Identifiers for LCFS Credits

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## Unique Identifiers (UIDs) Benefits

- UIDs (an alpha numeric code unique to each credit) will be assigned when a credit is first generated in the LRT-CBTS
- Ability to track a credit throughout its lifecycle
- Credit traceability ensures effective monitoring, verification & enforcement for LCFS

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## Unique Identifiers in different programs

Feature	California LCFS	EPA RFS RINs	California Cap-and-Trade
Unique Identifiers	Proposed	Yes	Yes
Type	Alpha Numeric	Numeric	Numeric
Credit source information embedded	TBD	Facility, Fuel type, Batch number, etc.	Allowance/Offset, Vintage, Project type, etc.
Unique identifier origin	System (LRT-CBTS)	Fuel Producer/Importer	System (CITSS)
Visibility	TBD	Most info visible to stakeholders	Some info not visible to stakeholders
Distinctions	Separate format for credits and deficits?	Same scheme for all RINs	Same scheme for all instrument types
Program Jurisdiction	California	Federal	WCI

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## UIDs – Questions for Stakeholders

- What information should be contained in the UID code?
  - Vintage of credit/deficit (yearly, quarterly)?
  - Fuel type?
  - Firm originating the credit?
  - Credit generating alternate fuel facility?
- What portion of this information should be available to:
  - The credit originator?
  - Subsequent credit recipients?
  - Only to the system administrator?

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unique identifiers for LCFS credits  
should be sent to [LCFSWorkshop@arb.ca.gov](mailto:LCFSWorkshop@arb.ca.gov)  
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